



STATE OF NEW YORK Alternative Fueled Vehicle Initiative

GEORGE E. PATAKI, GOVERNOR

Governor's Program Objectives

- Contribute to broader effort to restore, preserve and protect the State's environmental resources
- Assist agencies, authorities and universities in acquisition and utilization of clean fueled vehicles
- Reduce nationwide dependence on foreign sources of oil

Key Program Components

- Clean Fueled Vehicles Council

- Information sharing and involvement

- Fleet Development

- Cooperative working relationship with manufacturers

- Fueling Infrastructure

- Cooperative effort with DOT, Thruway and private sector

- Federal Reporting



Lessons Learned

- Encourage participation and communication among state agencies
- Offer purchasing incentives to state agencies.
- Operate parallel programs for vehicle acquisition and infrastructure development
- Form public-private partnerships to provide infrastructure
- Undertake direct interaction with AFV manufacturers
- Provide education and training for state AFV users.
- Track program success semiannually through vehicle use reports



Governor
GEORGE E. PATANK

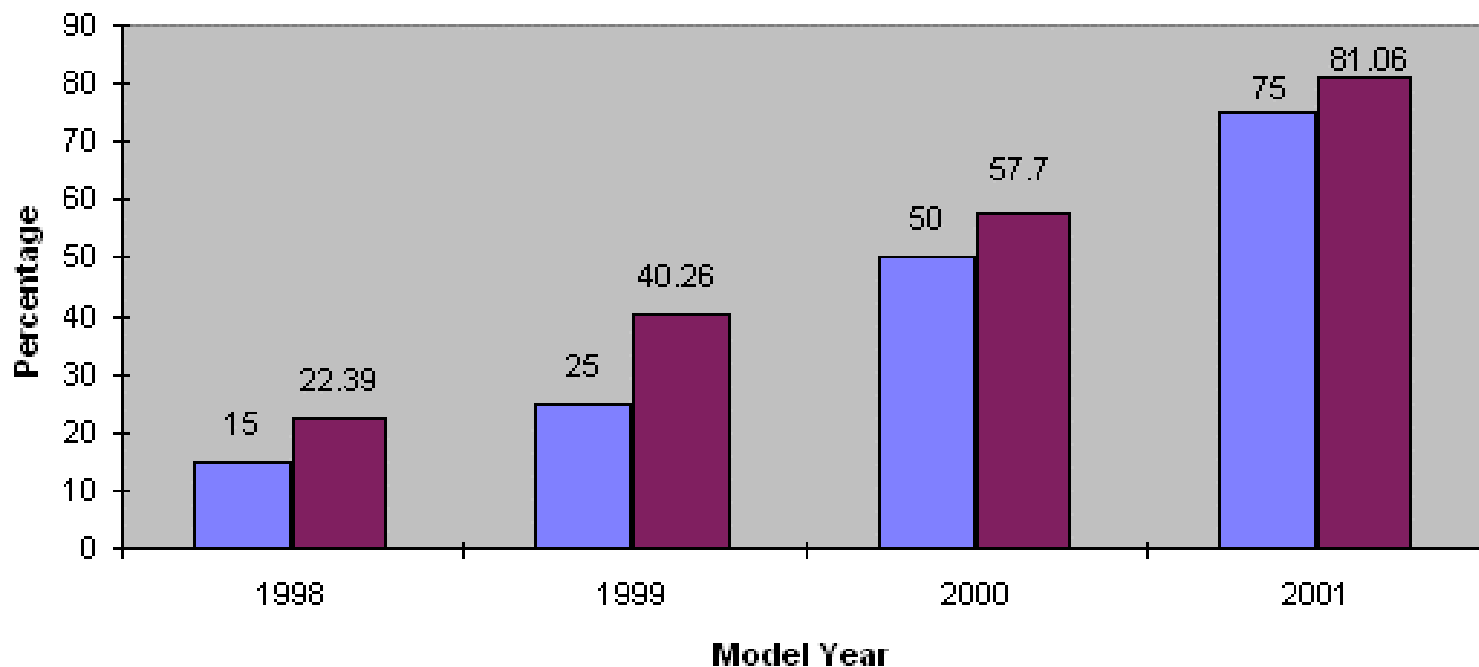
Clean Fueled Vehicles Council

Chairman
KENNETH J. RINGLER, JR.
Commissioner
Office of General Services

- Agriculture and Markets
- Correctional Services
- Environmental Conservation
- Motor Vehicles
- Taxation and Finance
- Budget
- Empire State Development Corporation
- NY Power Authority
- Thruway Authority
- Energy Research and Development Authority
- Children and Family Services
- Transportation
- General Services
- Mental Health
- Mental Retardation and Developmental Disabilities
- Parks, Recreation, and Historic Preservation
- State University of New York

State Fleet: Percentage of AFVs Among New Vehicles

How New York State Met EPACT Goals
1998 - 2001 Model Years



■ Percentage Mandated ■ Percent Actual

Executive Order No. 111

- Governor Pataki issued June 10, 2001
- All State entities to acquire 50% of new LDVs as AFVs by 2005; 100% by 2010, includes hybrid-electric vehicles
- Only exceptions are specialty, police or emergency vehicles
- Medium- and heavy-duty vehicle user agencies to implement strategies to reduce petroleum consumption and emissions

CNG Statewide Infrastructure Plan

PHASE 1

- 30 State operated sites
 - Low volume
 - 100 gge/day
 - State use only



*Low volume station at
Hudson Falls, NY*

CNG Statewide Infrastructure Plan

PHASE 2

- 16 privately operated sites -
Kingdom Group LLC
 - High volume
 - 500+ gge/day
 - Supporting private sector vehicles as well as towns, counties, municipalities, and state



*Ground breaking at first site in
Hauppauge, Long Island, NY*

Transitional CNG Sites

- Portable, skid-mounted compressor units, up to 600 gge/day
- Will serve State vehicles until high volume sites are completed



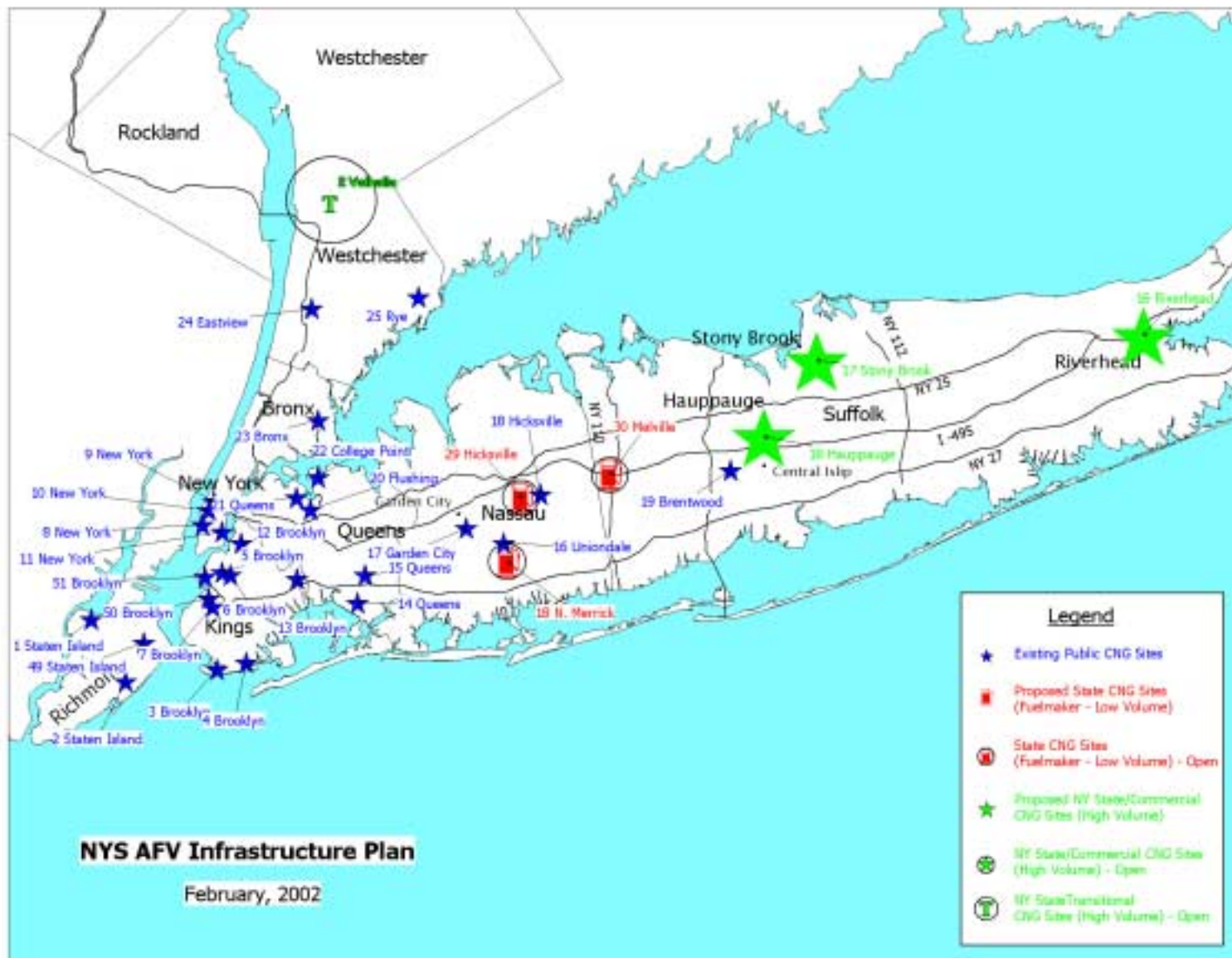
*Valhalla site
Westchester County, NY*

- Park and Ride Lot, Exit 18, New Paltz
- DOT – 5430 Bay Road, North Syracuse
- DOT – Route 9A/Dana Road, Valhalla

Fueling Sites: Statewide



Fueling Sites: Long Island



Statewide Contracts

■ 2002 Alternative Fueled Vehicles

➤ 44 models



■ 2002 Electric Vehicles

➤ Solectria Citivan

➤ GEM and THINK Neighborhood Electric Vehicles



Statewide Contracts

■ Compressed Natural Gas Fueling Equipment

- Fast-fill systems, Slow-fill systems
- Portable, self-contained, skid-mount fast-fill systems
- Trailer mount CNG compressors
- Individual components

All contracts open to NY State agencies, political subdivisions, local governments and municipalities.

AFV Training

■ Driver Training

- Classroom discussion
- Information Videos
- Hands-on fueling
- Vehicle and equipment manufacturer involvement



*State agency driver training,
Binghamton, NY*

AFV Training

■ Mechanic Training

- CNG Station Operation and Maintenance
- Vehicle Operation and Maintenance

■ CNG Tank Inspection

- Designated State employee mechanics



State agency mechanic training at Valhalla, NY transitional station

Future Trends

■ Infrastructure Development for other fuels

- Ethanol
- Propane
- LNG

FOR MORE INFORMATION, PLEASE SEE:

www.ogs.state.ny.us/cleanfuels

- Clean Fueled Vehicles Council
- Vehicle and Equipment Contracts
- Energy Policy Act of 1992 (EPAct)
- Executive Order No. 111
- Fueling Sites – NYS and Nation-wide
- Statewide Infrastructure Plan
- Incremental Cost Reimbursement
- Vehicle Usage Reports



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